Index of Claims

Rejected

Allowed

| Application/Control | No. |
|---------------------|-----|
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10/678,367

Applicant(s)/Patent under Reexamination

MELIKECHI ET AL.

Art Unit

2883

Examiner

(Through numeral) Cancelled

Restricted

Derek L. Dupuis

Non-Elected N

Interference

**Appeal** Α

0 Objected

|       |  |   |              |          |          |          | ,            |               |          |                       |
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| Cla   | im   | Date  |              |          |          |          |              |               |          |                       |
| Final | Original   | 3/29/05   |              |          |          |          |              |               |          |                       |
|       | 1  | 1   | ╁            |          | _        | -        | -            | H             |          | Н                     |
|       | 2  | V   | ┢            | $\vdash$ | -        | -        | $\vdash$     |               |          | Н                     |
|       | 3  | 1   | _            |          | _        | 1        |              |               |          | Н                     |
|       | 4  | 1   | Г            | _        |          |          |              |               | _        | П                     |
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|       | 6  | 1   |              |          |          |          |              |               |          |                       |
|       | 7  | \<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\<br>\ |              |          |          |          |              |               |          |                       |
|       | 8  | 1   |              |          |          |          |              |               | L        | Щ                     |
|       | 9  | <u> </u>  | <u> </u>     | ╙        | <u> </u> | _        | ļ            |               |          | Щ                     |
|       | 10   |   |              | <u> </u> | _        | _        | <u> </u>     | <u> </u>      |          | Щ                     |
|       | 11   | _   |              | <u> </u> | <u> </u> | <u> </u> | _            | _             | <u> </u> |                       |
|       | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25 | $\vdash$  | <u> </u>     | $\vdash$ | -        | ├        | ⊢            | <del> -</del> | $\vdash$ | $\vdash \vdash$       |
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|       | 15   |   | -            | $\vdash$ | -        | ├        | ┢            | ┢             | <u> </u> | Н                     |
|       | 16   | -   | -            | $\vdash$ | ┢┈       | $\vdash$ | Н            | ┢             | H        | Н                     |
|       | 17   |   | -            | ┝        | Н        | $\vdash$ | _            | $\vdash$      | $\vdash$ | Н                     |
|       | 18   |   |              | $\vdash$ |          |          | _            | $\vdash$      |          | М                     |
|       | 19   |   |              | $\vdash$ | $\vdash$ | $\vdash$ | <u> </u>     | $\vdash$      |          | Н                     |
|       | 20   |   | _            | $\vdash$ | Г        |          |              |               |          | П                     |
|       | 21   |   |              |          |          |          |              |               |          |                       |
|       | 22   |   |              |          |          |          |              |               |          |                       |
|       | 23   |   |              | L        |          |          |              | L             |          |                       |
|       | 24   |   |              | _        |          | _        |              | _             | _        | Щ                     |
|       | _25  |   | <u> </u>     |          | <u> </u> | _        | <u> </u>     | _             | _        | Ш                     |
|       | 26   | <u> </u>  | ┝            | _        | _        | _        | ├            | _             | _        | Н                     |
|       | 27   | -   | -            |          | ┝        | -        | ├            | L             |          | $\vdash \vdash$       |
|       | 20   | -   | ┝            |          | ⊢        | $\vdash$ | $\vdash$     | <u> </u>      | -        | Н                     |
|       | 30   |   |              |          | ┢        | -        | $\vdash$     |               | -        | Н                     |
|       | 26<br>27<br>28<br>29<br>30<br>31<br>32<br>33   |   | $\vdash$     |          | -        | $\vdash$ | ⊢            | -             | $\vdash$ | Н                     |
|       | 32   |   | $\vdash$     | $\vdash$ | -        | $\vdash$ | $\vdash$     | -             | $\vdash$ | Н                     |
|       | 33   |   | $\vdash$     |          | $\vdash$ | $\vdash$ | $\vdash$     |               |          | Н                     |
|       | 34   |   |              |          |          |          |              |               |          | П                     |
|       | 35   |   |              |          |          |          |              |               |          |                       |
|       | 36<br>37   |   |              |          |          |          |              |               |          |                       |
|       | _37  |   |              |          | _        | _        | <u> </u>     |               |          |                       |
|       | 38<br>39   | _   | L            | _        | _        | <u> </u> | <u> </u> _   |               |          | Ш                     |
|       | <u>39</u>  | L   | Ш            | _        | _        | <u> </u> | <u> </u>     |               | _        | Щ                     |
|       | ř  |   | $\vdash$     | H        | -        | <u> </u> | $\vdash$     | -             | $\vdash$ | Н                     |
|       | 41<br>42   | $\vdash$  | $\vdash$     | -        | -        | _        | <del> </del> | -             | $\vdash$ | Н                     |
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|       | 45   | $\vdash$  | $\vdash$     | -        | $\vdash$ | ┢        | $\vdash$     | -             | Н        | $\vdash$              |
|       | 46   |   | Н            | Н        | _        | $\vdash$ | H            | _             | $\vdash$ | $\vdash$              |
|       | 47   | П   | Т            | _        |          | ┪        | Т            | -             |          | $\vdash$              |
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| Claim     |          | Date |          |                                     |                                     |  |          |          |          |                 |  |
|-----------|----------|------|----------|-------------------------------------|-------------------------------------|--|----------|----------|----------|-----------------|--|
| Final     | Original |      |          |                                     |                                     |  |          |          |          |                 |  |
|           | 51       |      | Г        |                                     |                                     | Γ  |          |          |          |                 |  |
|           | 52       |      |          |                                     |                                     |  |          |          |          |                 |  |
|           | 53       |      |          |                                     |                                     |  |          |          |          |                 |  |
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|           | 56       |      |          |                                     |                                     |  |          |          |          |                 |  |
|           | 57       |      | _        |                                     |                                     |  |          |          |          |                 |  |
|           | 58       |      | L        | <u> </u>                            |                                     |  | L        |          |          |                 |  |
|           | 59       |      | _        |                                     |                                     | _  | 匚        | _        |          |                 |  |
| <u> </u>  | 60       |      | <u> </u> | L                                   | _                                   | _  |          | oxdot    |          |                 |  |
|           | 61       |      | _        | _                                   | _                                   | <u> </u>   | _        | _        |          |                 |  |
|           | 62       |      | _        | _                                   |                                     | <u> </u>   | <u> </u> | _        |          |                 |  |
|           | 63       |      | <u> </u> |                                     |                                     | _  | _        | _        |          |                 |  |
| <u> </u>  | 64       | _    | _        | ├_                                  | -                                   | ├-   | ├        | <u> </u> | ļ        | Щ               |  |
| -         | 65       |      | _        |                                     |                                     | ┡  | <u> </u> | $\vdash$ | <u> </u> | _               |  |
| $\vdash$  | 66       |      | -        | _                                   |                                     | <u> </u>   | _        | <u> </u> |          | -               |  |
|           | 67       | _    |          |                                     |                                     |  | ├        | -        | _        |                 |  |
| <u> </u>  | 68       | _    | <u> </u> | <u> </u>                            | ├                                   |  | ⊢        | $\vdash$ | _        | _               |  |
| -         | 69       |      |          | _                                   |                                     | ├  | ⊢        | ┝        | _        | -               |  |
| $\vdash$  | 70<br>71 |      | -        | -                                   | $\vdash$                            | ⊢  | ⊢        | $\vdash$ | _        | -               |  |
| $\vdash$  | 72       |      | <u> </u> | -                                   | $\vdash$                            | ⊢  | ├        | $\vdash$ | -        | _               |  |
| $\vdash$  |          | -    | _        | -                                   | $\vdash$                            | ┝  | $\vdash$ | -        | ⊢        |                 |  |
| -         | 73<br>74 | -    |          | $\vdash$                            | -                                   | ├  | ├        | $\vdash$ | -        |                 |  |
| <b>—</b>  | 75       | _    | ┝        | -                                   | $\vdash$                            | ┝  | -        | $\vdash$ | _        | _               |  |
| <b></b>   | 76       |      | $\vdash$ | $\vdash$                            | $\vdash$                            | H  | H        |          |          | $\vdash$        |  |
|           | 77       | -    | $\vdash$ | $\vdash$                            | $\vdash$                            | <del>                                     </del> |          | $\vdash$ | _        |                 |  |
|           | 78       | _    | $\vdash$ |                                     | Н                                   | <del>                                     </del> |          | $\vdash$ | _        | $\neg$          |  |
|           | 79       |      | _        |                                     |                                     |  | $\vdash$ | $\vdash$ | _        | $\neg$          |  |
|           | 80       | _    |          | Т                                   |                                     | $\vdash$   |          |          |          |                 |  |
|           | 81       |      |          | Г                                   |                                     |  |          |          |          |                 |  |
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|           | 86       |      |          | $oxed{\Box}$                        |                                     |  |          |          |          |                 |  |
| $\square$ | 87       | Ш    | L        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | Ш                                   | $\Box$   |          | $\sqcup$ |          |                 |  |
| Ш         | 88       |      | <u> </u> | <u> </u>                            | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ | $\sqcup$   |          |          | <u> </u> |                 |  |
| $\vdash$  | 89       |      | L        | $\vdash$                            | L_                                  | _  | L        | Щ        | _        | Ш               |  |
| -         | 90       | _    | _        | $\vdash$                            |                                     | $\vdash$   | _        | Щ        | _        | $\vdash \vdash$ |  |
| $\vdash$  | 91       |      |          | <u> </u>                            | $\vdash$                            | <u> </u>   | $\vdash$ | $\vdash$ |          | Ш               |  |
|           | 92       |      | $\vdash$ | $\vdash$                            | $\vdash$                            | H  | $\vdash$ | $\vdash$ | -        | $\vdash$        |  |
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| $\vdash$  | 96       |      | $\vdash$ | $\vdash$                            | -                                   | $\vdash$   | -        | H        | _        | $\dashv$        |  |
| -         | 97       | -    | -        | $\vdash$                            | $\vdash$                            | <del> </del>                                     | $\vdash$ |          |          | Н               |  |
| $\vdash$  | 98       | -    | $\vdash$ | ┝┈                                  | $\vdash$                            | $\vdash$   | H        |          | -        | Н               |  |
| $\vdash$  | 99       |      | Η-       | $\vdash$                            | _                                   |  | $\vdash$ | $\vdash$ |          | $\vdash$        |  |
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100

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|---|----------------------|---------|---|--|----------|--------------|--|----------|----------|----------|----------|
| 101   |                      |         |   |  |          |              |  |          |          |          |          |
| 102   | Final                | Origina |   |  |          |              |  |          |          |          |          |
| 102   |                      | 101     |   |  |          |              |  |          |          |          |          |
| 104   105   106   107   108   109   110   111   112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   147   148   145   146   147   147   148   145   146   147   147   148   145   146   147   147   148   145   146   147   147   148   145   146   147   147   148   145   146   147   147   148   148   148   148   148   146   147   147   148   146   147   147   148 |                      | 102     |   |  |          |              |  |          |          |          |          |
| 106 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146   |                      | 103     |   | L  | L        |              |  |          |          |          |          |
| 106 107 108 109 110 111 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146   |                      | 104     |   | _  | <u> </u> | _            |  |          | _        |          |          |
| 107   108   109   110   111   112   113   114   115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   145   146   147   145   146   147   146   147   145   146   147   145   146   147   145   146   147   147   147   147   147   147   147   147   147   147   147   146   147   147   147   147   147   147   147   148   146   147   147   147   147   148   146   147   148   146   147   147   148   146   147   147   148   146   147   147   148   146   147   147   148   146   147   147   148   146   147   147   148   146   147   148   146   147   147   148   146   147   148   146   147   148   146   147   148   146   147   148 |                      | 105     |   | _  | <u> </u> | _            | L  | _        | _        | _        |          |
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| 109   |                      | 107     |   | -  | _        | _            | <u> </u>   |          | <u> </u> | _        |          |
| 110         111         112         113         114         115         116         117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146   | <u> </u>             | 108     |   | <del> </del>                                     | -        | _            | ⊢  |          | _        | <b> </b> |          |
| 112         113         114         115         116         117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146   | $\vdash$             | 110     | - | ⊢  | ├-       | -            | H  |          | -        |          | -        |
| 112         113         114         115         116         117         118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146   | -                    | 111     |   | -  | $\vdash$ | <u> </u>     | -  | _        | $\vdash$ | -        | _        |
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| 114   |                      | 113     | - | _  | $\vdash$ |              | <del>                                     </del> |          |          | -        |          |
| 115   116   117   118   119   120   121   122   123   124   125   126   127   128   129   130   131   132   133   134   135   136   137   138   139   140   141   142   143   144   145   146   147   146   147   146   147   |                      | 114     | _ | <u> </u>   | $\vdash$ |              |  |          | H        | -        |          |
| 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146   |                      | 115     |   |  | _        |              |  |          |          | Г        |          |
| 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 141 142 143 144 145 146   |                      | 116     |   |  |          |              |  |          |          | Г        | П        |
| 118         119         120         121         122         123         124         125         126         127         128         129         130         131         132         133         134         135         136         137         138         139         140         141         142         143         144         145         146   |                      | 117     |   |  |          |              |  |          |          |          |          |
| 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146   |                      | 118     |   |  |          |              |  |          |          |          |          |
| 122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146   |                      | 119     |   |  |          |              |  |          |          |          |          |
| 122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130<br>131<br>132<br>133<br>134<br>135<br>136<br>137<br>138<br>139<br>140<br>141<br>142<br>143<br>144<br>145<br>146   | <u></u>              | 120     |   | L_   | _        | <u> </u>     | L  |          |          |          |          |
| 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146   |                      | 121     |   |  | <u> </u> |              | _  |          |          |          | _        |
| 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146   |                      | 122     | _ | L  | <u> </u> | _            |  |          |          |          | <u> </u> |
| 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146   | <u> </u>             | 123     |   | <u> </u>   | <u> </u> | _            | _  | _        | _        |          |          |
| 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146   |                      | 124     |   | <u> </u>   | <u> </u> | _            | $\vdash$   |          | <u> </u> | <u> </u> |          |
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| 139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147   |                      | 136     |   | 匚  |          |              |  |          |          |          |          |
| 139<br>140<br>141<br>142<br>143<br>144<br>145<br>146<br>147   | <u></u>              | 137     |   | <u>L</u>   | L        | لـــا        | Щ  |          |          | $\Box$   | Ш        |
| 141<br>142<br>143<br>144<br>145<br>146<br>147   |                      | 138     |   | L.   | <u> </u> | $oxed{oxed}$ | ldash  |          | _        | L.       | _        |
| 141<br>142<br>143<br>144<br>145<br>146<br>147   | $\vdash$             | 139     |   | <u> </u>   | $\vdash$ | <u> </u>     | <u> </u>   | $\vdash$ |          |          | <u> </u> |
| 142<br>143<br>144<br>145<br>146<br>147  | $\vdash\vdash\vdash$ |         |   | <u> </u>   | $\vdash$ | $\vdash$     | H  | $\vdash$ | H        | <u> </u> | <u>ا</u> |
| 143<br>144<br>145<br>146<br>147   |                      |         | - | ⊢  | $\vdash$ | H            | Н  | -        | -        |          | $\vdash$ |
| 144<br>145<br>146<br>147  | $\vdash$             |         | _ | ⊢  |          | $\vdash$     | H  | -        | H        | $\vdash$ | -        |
| 145<br>146<br>147   | -                    |         |   | ┝  | $\vdash$ | -            | $\vdash$   | $\vdash$ | -        | $\vdash$ | -        |
| 146   | $\vdash$             |         | - | $\vdash$   | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$ | -        | Ι        | -        |
| 147   |                      |         |   | $\vdash$   | $\vdash$ | H            | $\vdash$   | Н        | -        | $\vdash$ | $\vdash$ |
|   |                      |         | _ | Н  | $\vdash$ | $\vdash$     | <del></del>                                      | _        | -        | $\vdash$ |          |
| 145   |                      | 148     |   | $\vdash$   | Н        | $\vdash$     |  | _        | $\vdash$ |          |          |
| 149   |                      |         |   | $\Box$   |          |              | П  |          |          |          |          |
| 150   |                      |         |   |  |          |              |  |          |          |          |          |